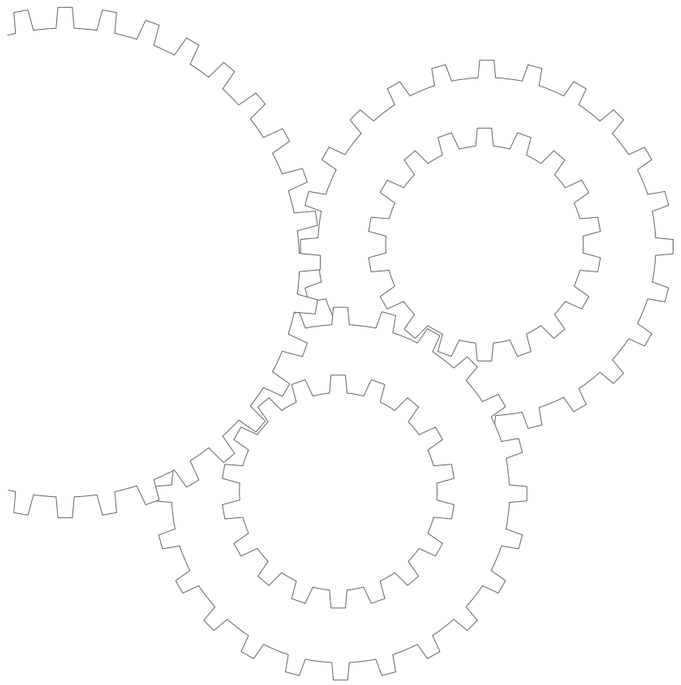
Options



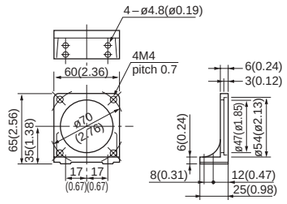
This product is for industrial equipment. Don't use this product at general household.

Options

• Mounting frame and dimensions

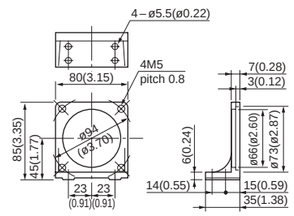
<Outer-base type*>

60 mm (2.36 inch) sq. M6B2



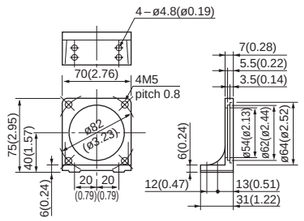
Unit : mm (inch)

80 mm (3.15 inch) sq. M8B2



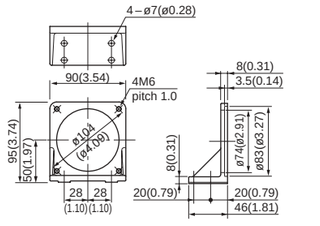
Unit : mm (inch)

70 mm (2.76 inch) sq. M7B2



Unit : mm (inch)

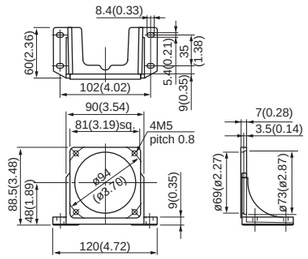
90 mm (3.54 inch) sq. M9B2



Unit : mm (inch)

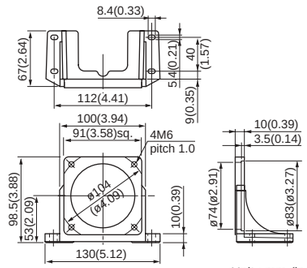
<Inner-base type*>

80 mm (3.15 inch) sq. M8B3



Unit : mm (inch)

90 mm (3.54 inch) sq. M9B3



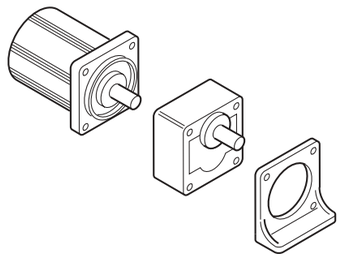
Unit : mm (inch)

* Not attachable to a hinged gear head or C&B motor.

* Outer-base type: A motor is attached outside the base mounting position.
* Inner-base type: A motor is attached inside the base mounting position.

• Mounting arrangement

Motor + Gear head + Mounting frame



• Decimal gear head mounting screw (Material: Steel Trivalent Chromate Treatment or Black oxide coating)

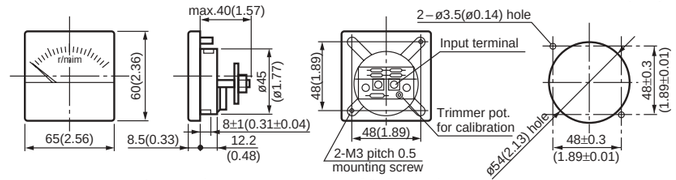
Part No.	Size	Supporting model	Standard quantity	Specification [Unit: mm(inch)]
M0PM4001	60 mm (2.36 inch) sq.	MX6G10XB	4 pcs.	Cross recessed pan head screw M4 pitch 0.7, length 85(3.35)
M0PM5001	70 mm (2.76 inch) sq.	MX7G10XB	4 pcs.	Cross recessed pan head screw M5 pitch 0.8, length 95(3.74)
M0PM5002	90 mm (3.54 inch) sq.	MX8G10XB	4 pcs.	Cross recessed pan head screw M5 pitch 0.8, length 85(3.35)
M0PM6002	80 mm (3.15 inch) sq.	MZ9G10XB	4 pcs.	Cross recessed pan head screw M6 pitch 1.0, length 65(2.56)
M0PM6003	90mm (3.54 inch) sq.	MX9G10XB	4 pcs.	Cross recessed pan head screw M6 pitch 1.0, length 100(3.94)
M0PM6004	90 mm (3.54 inch) sq.	MZ9G10XB	4 pcs.	Cross-recessed hex head bolt M6 pitch 1.0, length 125(4.92)

* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

• Tachometer (DV0P001)

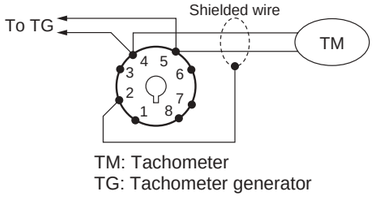
The motor speed can be easily indicated.
This meter is especially designed for Panasonic controllers only.

Unit : mm (inch)



<Accessories>
Mounting hardware M3 pitch 0.5 | 2- flat washer, 2- spring washer, 2- hexagon nut

Panel cutout details
TOP VIEW



TM: Tachometer
TG: Tachometer generator

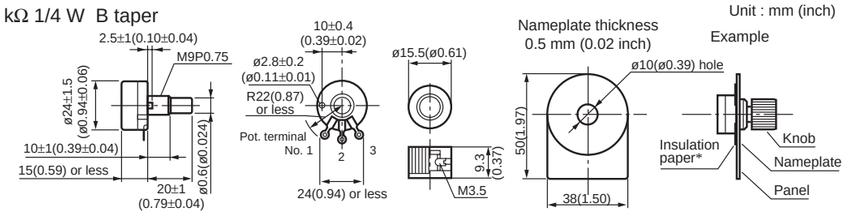
<Precautions>

1. Tachometer should be wired in parallel with TG.
2. When the wires for the tachometer (TM) becomes too long, use a twisted shielded wire in place.
3. Calibrate the readings with the trimmer potentiometer on the back of TM.
   Calibration : 1. Measure the motor speed with a revolution counter.
   2. Measure the frequency f of the voltage from TG.
   Rotation speed N (r/min) = 5f (Hz)

• External speed setter (DV0P002)

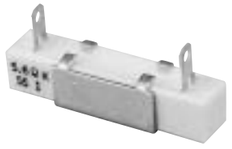
20 kΩ 1/4 W B taper

Unit : mm (inch)



* Insert the insulation paper to positively isolate the terminals and chassis.

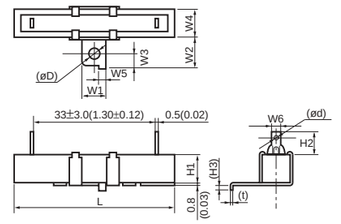
• External braking resistor (DV0P003)



5.6 Ω 10 W

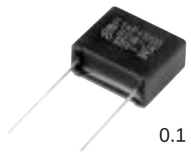
<Notice>
DV0P003 has 5.6 Ω resistance.
When using commercial resistor, select 4.7 to 6.8 Ω and power rating 10 W or more.
<Precautions>
• The resistor dissipates heat: do not touch.
• Mount the resistor to nonflammable material.

Unit : mm (inch)



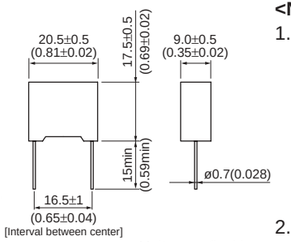
	Size (mm)	Size (inch)
L	48±2	1.89±0.08
W1	12±0.5	0.47±0.02
W2	14±1	0.55±0.04
W3	6±0.5	0.24±0.02
W4	10.5±1.5	0.41±0.06
W5	3±0.3	0.12±0.01
W6	5.2±0.5	0.20±0.5
H1	10.5±1.5	0.41±0.06
H2	9^{+3}_{-1}	$0.35^{+0.12}_{-0.04}$
H3	(2.2)	(0.09)
D	(3.8)	(0.15)
d	(2.5)	(0.10)
t	(0.6)	(0.02)

• Spark killer (DV0P008)



0.1 μF 120 Ω

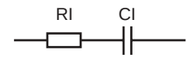
Use a spark killer to protect the main speed control circuit and switches.



Unit : mm (inch)

<Notice>

1. DV0P008 internal capacitor is 0.1 μF and internal resistance is 120 Ω. When using commercially available ones, follow the instructions shown below.



R1 = 10 to 200 Ω (1/4 W or larger)
C1 = 0.1 to 0.33 μF (125 VAC or 250 VAC)

2. This spark killer cannot be used for 400 V model. Use a spark killer rated at 400 V or higher.

* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

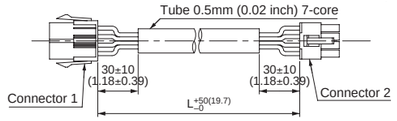
Options

• Unit type motor extension cord

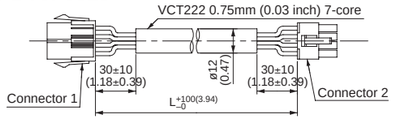
When the distance between the controller and the motor is longer than 1 m (39.37 inch), use a suitable extension cord shown right.

DV0P0321

Unit : mm (inch)



DV0P0322 to DV0P0325



Unit : m (inch)

Part No.	Length
DV0P0321	1 (39.37)
DV0P0322	2 (78.74)
DV0P0323	3 (118.11)
DV0P0324	4 (157.48)
DV0P0325	5 (196.85)

The 1 m (39.37 inch) cord is supplied with the motor.

• Capacitor

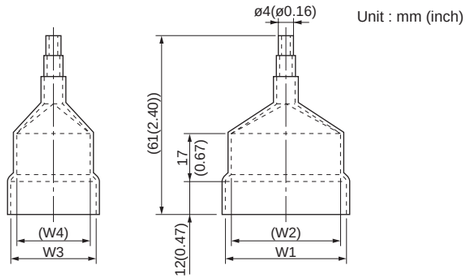
• The capacitor delivered together with the motor can be separately available as an option.

• Capacitor cap

Unit : mm (inch)

Part No.	W1	W2	W3	W4
M0PC3917	39.5(1.56)	37.5(1.48)	17(0.67)	15(0.59)
M0PC3922	39.5(1.56)	37.5(1.48)	22(0.87)	20(0.79)
M0PC3926	39.5(1.56)	37.5(1.48)	26(1.02)	25(0.98)
M0PC5026	50(1.97)	48(1.89)	26(1.02)	22(0.87)
M0PC5032	50(1.97)	48(1.89)	32.5(1.28)	29.5(1.16)

[Notes] 1. 10 caps are packed in one bag.
2. We accept the order for caps in unit of bag.



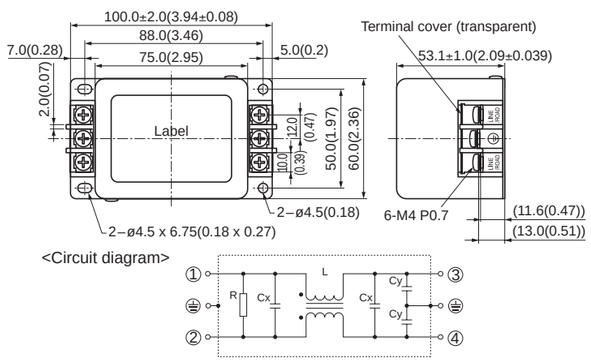
Unit : mm (inch)

• The capacitor cap delivered together with the motor can be separately available.

• Noise filter

DV0P3611-5

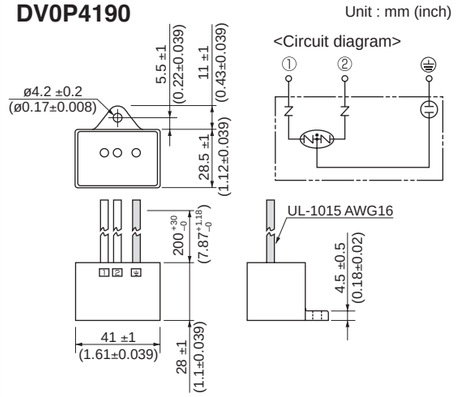
Unit : mm (inch)



• Surge absorber

DV0P4190

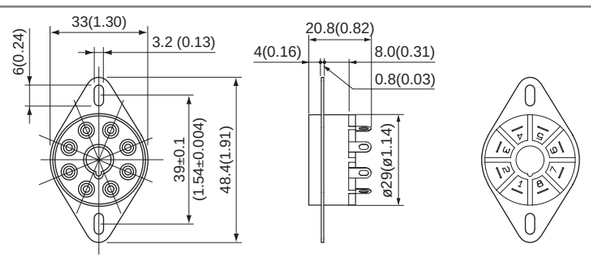
Unit : mm (inch)



• 8-pin socket

DV0P4560

Unit : mm (inch)



* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Recommended components

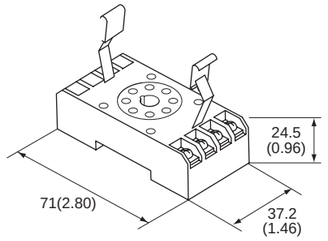
Panasonic Electric Works Co.,Ltd.

• Combination of the set and recommended components (The customer should arrange the recommended components.) These are products of Panasonic Electric Works Co.,Ltd.

		DIN terminal block	Socket	Cap	Flush mounting frame	Protective cover	Rail Fastening plate
Speed controller	MGSD	AT7803 ATC180031	AW68102	AD8013	AT785* AT781* AT782* AT7831	AT7881 (only for MGSD)	———
	EX	AT7803	AW68102 (accessory)		———	———	
	SD48 EX48	ATC180031	AW68102	AD8013	ATA4811	AQM4801	ATA48011 ATA4806
Brake unit	SD	AT7803	AW68102 (accessory)	AD8013	AT785* AT781* AT782* AT7831	———	———
	EX				———		
	MB48	ATC180041	———	ATA4861	ATA4811	AQM4801	ATA48011 ATA4806

• DIN terminal block

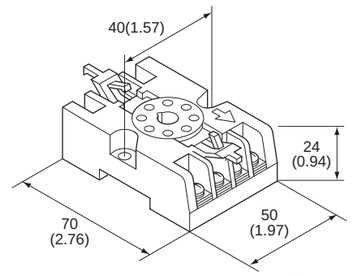
AT7803



8-pin

Unit : mm (inch)

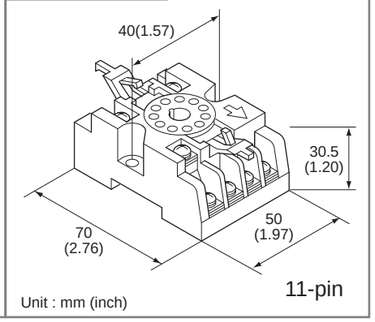
ATC180031



8-pin

Unit : mm (inch)

ATC180041



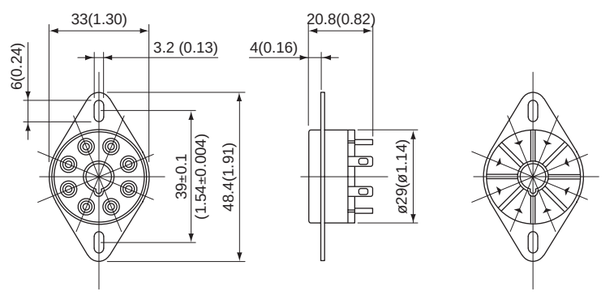
11-pin

Unit : mm (inch)

• Socket

AW68102

Unit : mm (inch)



8-pin

* Do not use this socket in condition where it receive any vibration.
To securely fix such product,use the DIN terminal block or flush type mounting frame.

* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.